

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 20045. Lease Serial No.
MDA 701-98-00131a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____6. If Indian, Allottee or Tribe Name
Jicarilla Apache Tribe7. Unit or CA Agreement Name and No.
24252

2. Name of Operator

8. Lease Name and Well No.

Mallon Oil Co. an indirect wholly-owned subsidiary of Black Hills Exploration & Production, Inc.

Jicarilla 29-02-29 No. 1

3. Address

3a. Phone No. (include area code)

350 Indiana Street, Suite 400, Golden, CO 80401

720-210-1308

9. API Well No.

4. Location of Well (Report location clearly and in accordance with Federal requirements)

30-039-26115

At surface 1768' FSL & 437' FWL (NWSW) Unit L

10. Field and Pool, or Exploratory

At top prod. interval reported below 1768' FSL & 437' FWL (NWSW) Unit L

La Jara Canyon, Tertiary

At total depth 1768' FSL & 437' FWL (NWSW) Unit L

11. Sec., T., R., M., on Block and Survey
or Area Sec. 29, T29N-R02W

14. Date Spudded

15. Date T.D. Reached

16. Date Completed

☐ DCA ☒ Ready to Prod12. County or Parish 13. State
Rio Arriba NM

9/24/2000

12/3/2000

17. Elevations (DF, RKB, RT, GL)*

7076' GL, 7088' KB

18. Total Depth: MD

TVD 3700' KB

19. Plug Back T.D.: MD

TVD 3661' KB

20. Depth Bridge Plug Set: MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

Triple Litho Density, Array Induction

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	8 5/8	23	0	237.06'		350 sx & K55, ST&C	35 bbls	surface;	
								circ 13.6	
								to surface	
7 7/8	5 1/2	17	0	3700.30'		725 sx & 50/50 poz		surface;	
								circ 56sx	
								to pit	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
1.9	1203' KB							

25. Producing Intervals

26. Perforation Record

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Nacimiento	2618'	2656'	2618-2656	4 jspf	48	
B) San Jose	1130'	1216'	1130-1136, 1142-1144,	2 jspf	32	
C)			1194-1198, 1212-1216			
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
2618-2656	Frac w/ 50 Mitchell quality N2 foam. 287,863 mscf N2, 39,000 lbs of 20/40 Brown Brady sand and 36,000 lbs of Sand.
2618-2656	Cement Squeeze: set retainer at 2555' KB. Load hole w/ 2% KCL water. Reverse out 13 bbls of excess cement.
1130-1216	Frac w/ 50 Mitchell quality N2 foam/AmBorMax 1015 foam. 1898 mscf N2, 75,080 lb of 20/40 Super LC sand at 1-4 lb concentrations

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	1/9/04	24	<input type="checkbox"/>	0	384	674			Flowing
Choke Size	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
3/4			<input type="checkbox"/>					Waiting on Pipeline	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	2/2/04	24	<input type="checkbox"/>	0	908	0			Flowing
Choke Size	Thg. Press. Flwg. SI	Call Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
1/2			<input type="checkbox"/>					Waiting on Pipeline	

(See instructions and spaces for additional data on next page)

04 MAR 10 AM 9:57
011 ALBUQUERQUE, N.M.
ACCEPTED FOR RECORD
APR 21 2004

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

29. Disposition of Gas (Sold used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				San Jose	~ surface
				Lower San Jose	1345'
				Nacimiento	2078'
				Ojo Alamo	2982'
				Kirtland	3307'
				Fruitland	3373'
				Pictured Cliffs	3445'
				Lewis	3570'

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- 1 Electrical/Mechanical Logs (1 full set req'd.) 2 Geologic Report 3 DST Report 4 Directional Survey
 5 Sundry Notice for plugging and cement verification 6 Core Analysis 7 Other: _____

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Allison Newcomb

Title Engineering Technician

Signature

Allison Newcomb

Date 2/19/2004

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.